



Product Data Sheet

□ Cat # RP-915

Recombinant Human CD29

Size: □ 2 ug

Integrin beta 1, also known as CD29, is a 130 kDa transmembrane glycoprotein that forms noncovalent complexes with various Integrin alpha subunits (including alpha 1, alpha 2, alpha 3, alpha 4, alpha 5, and alpha 6, also known as CD49a, CD49b, CD49c, CD49d, CD49e, and CD49f, respectively) to form the functional receptors that bind to specific extracellular matrix proteins. Integrin receptors are involved in the regulation of a variety of important biological functions, including embryonic development, wound repair, hemostasis, and prevention of programmed cell death. They are also implicated in abnormal pathological states such as tumor directed angiogenesis, tumor cell growth, and metastasis. These heterodimeric receptors bridge the cytoplasmic actin cytoskeleton with proteins present in the extracellular matrix and/or on adjacent cells.

SOURCE:

CD29 Human Recombinant encoding (aa 579-799) expressed in E.coli, shows a 48 kDa band on SDS-PAGE (Including GST). CD29 at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

APPLICATION AND SUGGESTED DILUTIONS:

ELISA, Inhibition Assays, Western Blotting. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquied at 4oC for ~ 1week or aliquots in suitable size and store at -20oC for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

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